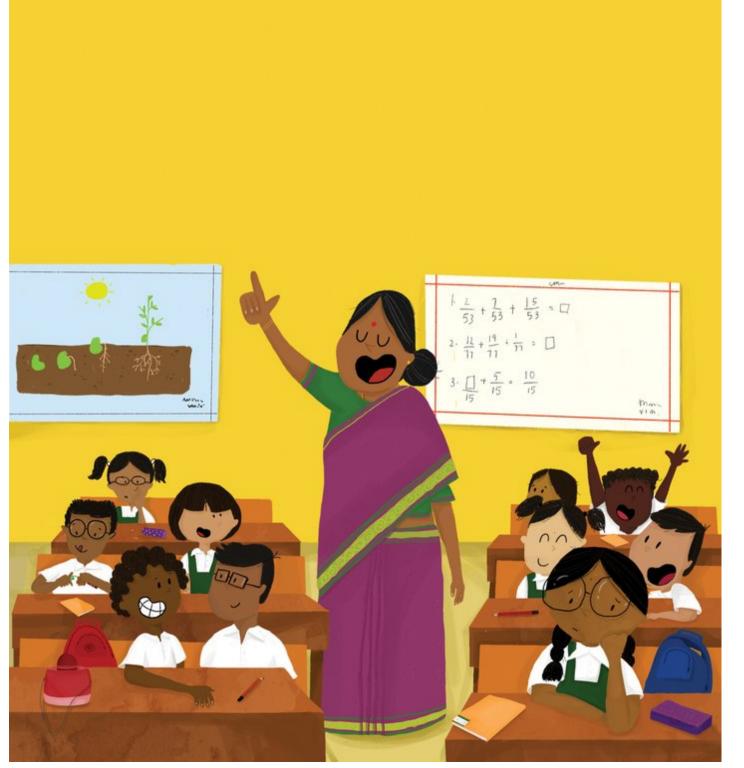




Shruthi Floats an Idea

Author: Navin Dorairaju **Illustrator:** Vibha Surya

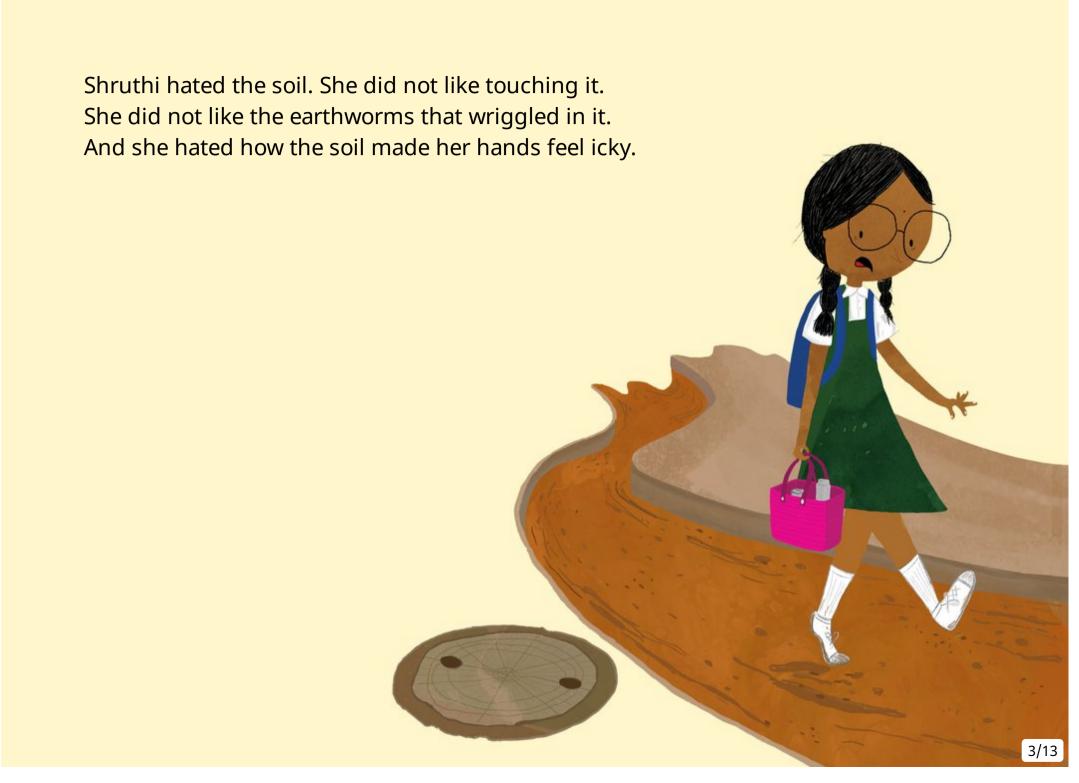
Level 3



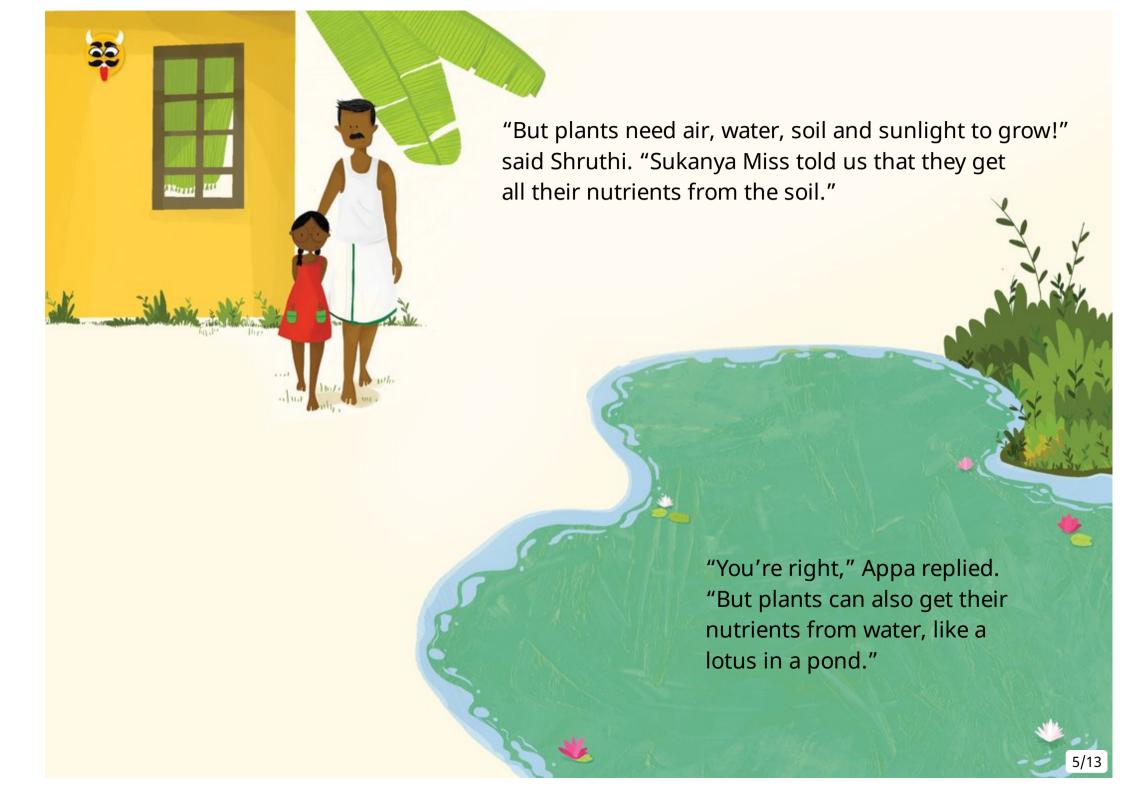
"It's Grow a Plant Month, everyone!" Sukanya Miss said.

Everyone in the class was excited.

Everyone but Shruthi.









"Can I really grow a plant in water?" Shruthi asked.

"Yes," Appa replied. "All you need is a sapling, some coconut husk, a big plastic bottle and some plant nutrients to help it grow."



Appa cut a bottle in two halves.

Shruthi filled the bottom half with water and mixed in some nutrients.





She flipped the top half of the bottle and put the coconut husk in it.

Finally, she placed the sapling in the top half.











Shruthi took care of her plant every day.



Three weeks later, she took her plant to class.

Everyone was surprised. "Shruthi, how is your plant so big?" Sukanya Miss asked.

"It's because I grew it in water, Miss!" Shruthi replied.



No one in her class had seen a plant grown in water before. No one even knew it was possible.

"Your plant is so beautiful, Shruthi!" her classmate said.

Shruthi was prouder than ever.

How did Shruthi grow her plant in water?

Shruthi grew her plant using hydroponics. Hydroponics is the method of growing plants in water.

Plants need air, water, sunlight and nutrients (salts and minerals) to grow. When they are planted in the ground, they gather their nutrients from the soil. But when plants are grown in water, nutrients have to be fed to them. Shruthi gave her plant all the nutrients it needed, and made sure that it had enough water, sunlight, air and space to grow.

Would you like to grow a plant in water, just like Shruthi?

How to Grow a Plant in a Bottle

You will need:

A 2 litre soda bottle

A pair of scissors (make sure you ask an adult to help you with the scissors)

Money plant sapling

Coconut husk
Water-soluble plant nutrients
(you can use sugar as a substitute)

Drinking water

You will have to:

Cut the bottle into two halves (ask an adult to do this for you).

Pour water into the bottom half of the bottle and mix in some nutrients.

Flip the top half of the bottle and place it on the bottom half.

Fit the coconut husk into the top half of the bottle.

Place the money plant sapling in the bottle. Make sure the roots touch the water.

Make sure to keep the bottle somewhere it gets plenty of sunlight.











This book was made possible by Pratham Books' StoryWeaver platform. Content under Creative Commons licenses can be downloaded, translated and can even be used to create new stories - provided you give appropriate credit, and indicate if changes were made. To know more about this, and the full terms of use and attribution, please visit the following link.

Story Attribution:

This story: Shruthi Floats an Idea is written by Navin Dorairaju. © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license.

Other Credits:

'Shruthi Floats an Idea' has been published on StoryWeaver by Pratham Books. The development of this book has been supported by CISCO. www.prathambooks.org. Guest Art Director: Shreyas R Krishnan.

Images Attributions:

Cover page: A girl has an idea., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 2: A teacher gives an assignment and all the students look happy except for the girl., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 3: A girl walks on a muddy road., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 4: A girl sits on the floor looking very sad., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 5: A girl and her father walk towards a pond filled with lotuses., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 6: A girl has a few different materials laid out on a table., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 7: A man cuts a bottle and a girl pours water in the bottle., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 9: A girl holds a plant., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 9: A girl holds a plant., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 10: Students look at a plant., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 11: Students clap for a girl., by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license.

Disclaimer: https://www.storyweaver.org.in/terms and conditions



A Corporate Social Responsibility Initiative



This book was made possible by Pratham Books' StoryWeaver platform. Content under Creative Commons licenses can be downloaded, translated and can even be used to create new stories - provided you give appropriate credit, and indicate if changes were made. To know more about this, and the full terms of use and attribution, please visit the following link.

Images Attributions:

Page 12: <u>A plant growing in a bottle.</u>, by <u>Vibha Surya</u> © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license. Page 13: <u>Different materials</u> to grow a money plant in a bottle, by Vibha Surya © Pratham Books, 2020. Some rights reserved. Released under CC BY 4.0 license.

Disclaimer: https://www.storyweaver.org.in/terms and conditions



A Corporate Social Responsibility Initiative

Shruthi Floats an Idea

(English)

Shruthi has to grow a plant. But she doesn't want to grow it in soil. Is there any other way?

This is a Level 3 book for children who are ready to read on their own.



Pratham Books goes digital to weave a whole new chapter in the realm of multilingual children's stories. Knitting together children, authors, illustrators and publishers. Folding in teachers, and translators. To create a rich fabric of openly licensed multilingual stories for the children of India and the world. Our unique online platform, StoryWeaver, is a playground where children, parents, teachers and librarians can get creative. Come, start weaving today, and help us get a book in every child's hand!